

Title (en)

Method and assembly for determining the presence or status of a medium or a mixture

Title (de)

Verfahren und Anordnung zur Bestimmung der Präsenz oder des Zustandes eines Mediums oder eines Mediengemisches

Title (fr)

Procédé et dispositif destinés à la détermination de la présence ou de l'état d'un fluide ou d'un mélange de fluide

Publication

EP 1882914 B1 20180606 (DE)

Application

EP 07014601 A 20070725

Priority

DE 102006034881 A 20060725

Abstract (en)

[origin: EP1882914A2] The method involves arranging a measuring point, which represents a measuring position, at a wall surface of a tank, a container (1) or a pipe. A temporally stepwise or continuous varying signal for presence of a medium or media composite characteristics is received and evaluated at the measuring point. Molecules of the medium arrived into a region of the measuring point is detected by a sensor (2). Temporal variation of the signal or rate of change of temporal variation of alternating electrical field is detected as a characteristic signal for evaluating the signal. Independent claims are also included for the following: (1) a method for controlling impinging of a cyclic media flow moved along a preset path (2) a method for controlling draining of a container (3) a method for detecting foreign substance or blowhole in inflow of a container (4) an arrangement for monitoring splashing of inner surface of a container or tank.

IPC 8 full level

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CPC (source: EP)

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Cited by

CN104144752A; US2015001310A1; CN110709677A; DE102011084906A1; CN107520210A; CN113155234A; EP2626148A1; DE102016205573B3; US11543279B2; US10086414B2; EP2626143A1; CN104093497A; WO2013120841A1; WO2013120799A1; WO2018215129A1; EP3557235A2; EP3631381B1

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